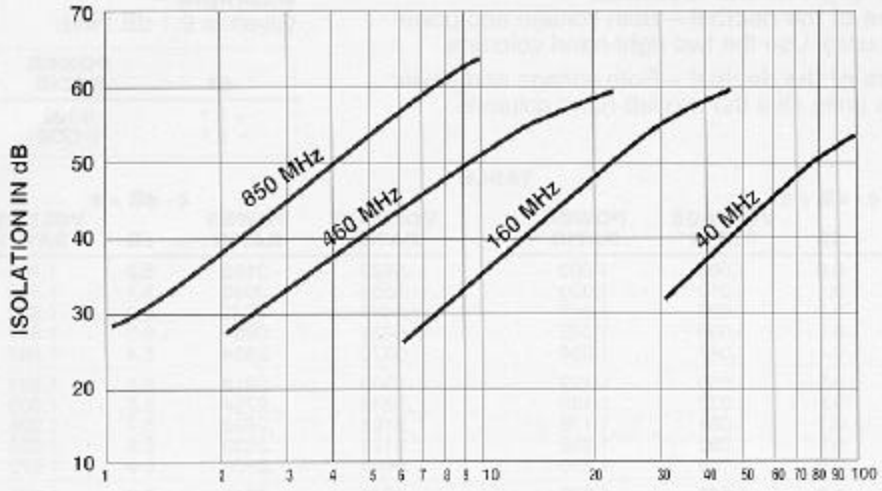
Technical Data

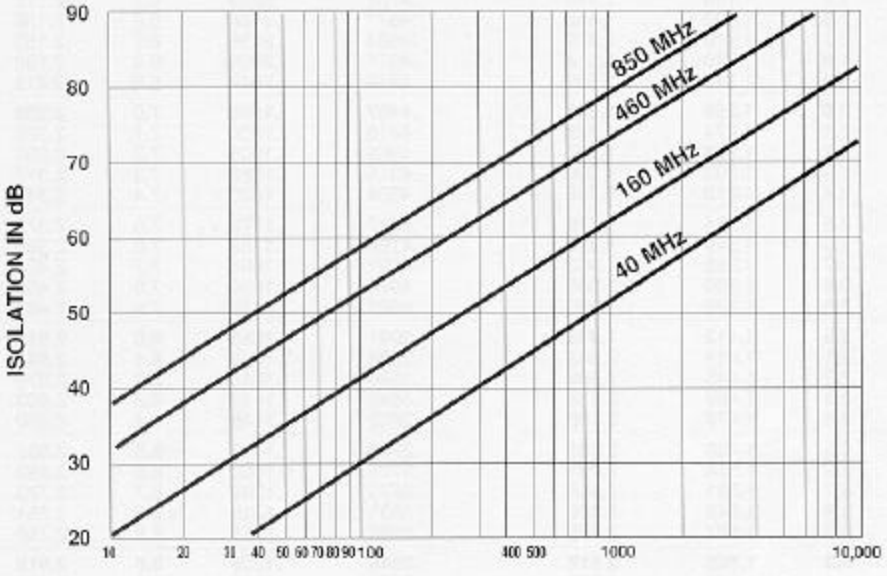
The curves provided below are based on dipoles. Both reflect isolation values that could be expected when two antennas are separated as indicated. In actual installations, the obtainable values may vary somewhat, due to tower coupling or other reflective surfaces near the antenna.

ISOLATION PROVIDED BY VERTICAL SEPARATION



ANTENNA SPACING (TIP TO BOTTOM) IN FEET

ISOLATION PROVIDED BY HORIZONTAL SEPARATION



ANTENNA SPACING IN FEET

The above curves are usable with gain antennas if they are mounted exactly collinearly. The above curves may also be used to approximate the isolation between gain antennas at less than the following minimum distances. The figures in dB refer to the antenna gains. (150 MHz): 3 dB-18 ft., 6 dB-75 ft., 10 dB-300 ft. (450 MHz): 3 dB- 6 ft., 6 dB - 25 ft., 10 dB - 100 ft. (850 MHz): 3 dB - 3 ft., 6 dB - 12 ft., 10 dB - 50 ft. At greater distances than the preceding, the sum of both antenna gains should be subtracted from the value found in the chart.

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